

Quarterly
Air Quality
Monitoring
Report

3
1998

Part A: EPA Data

July - August - September
1998

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TABLE 1
OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

Parts per hundred million (pphm)
1-HOUR CLOCK AVERAGE

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm
4-hour average = 6 pphm

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	96
	Average	0.5	1.0	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.6	2.2	2.8
	90-percentile Value	2.2	2.9	3.8
	Maximum 1-hour Value	2.4	3.5	6.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	91	89	90
	Average	0.7	1.0	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	2.5	3.3
	90-percentile Value	2.6	3.1	4.3
	Maximum 1-hour Value	2.8	5.1	6.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	65	58	95
	Average	0.7	1.1	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.6	2.5	3.3
	90-percentile Value	2.4	3.2	4.4
	Maximum 1-hour Value	2.7	4.0	6.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 ppm

4-hour average = 8 ppm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 ppm

1-HOUR CLOCK AVERAGE

4-hour average = 6 ppm

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	96	73
	Average	0.8	1.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	1.9	3.5
	90-percentile Value	2.8	4.7
	Maximum 1-hour Value	3.2	6.2
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	92	35
	Average	0.5	1.2
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	1.3	3.0
	90-percentile Value	2.0	4.4
	Maximum 1-hour Value	2.4	4.5
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)
WOOLLOOWARE			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	89	92
	Average	1.1	1.6
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.0	3.2
	90-percentile Value	2.6	3.9
	Maximum 1-hour Value	2.8	6.4
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	80	37	91
Average	0.6	0.8	1.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	2.2	2.8
90-percentile Value	2.3	3.2	4.0
Maximum 1-hour Value	2.3	4.0	5.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	93	96	91
Average	1.1	1.4	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.3	2.8	3.3
90-percentile Value	2.9	3.2	4.1
Maximum 1-hour Value	3.1	4.2	6.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	0.9	1.3	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.6	3.2
90-percentile Value	2.8	3.3	4.3
Maximum 1-hour Value	3.0	4.6	6.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	74	95	96
	Average	1.2	1.5	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.9	3.4
	90-percentile Value	3.1	3.3	4.1
	Maximum 1-hour Value	3.1	4.6	6.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv	ALL HOURS IN MONTH:			
	% Sampling Time	***	82	81
	Average	***	2.6	2.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	3.0	3.1
	90-percentile Value	***	3.3	3.7
	Maximum 1-hour Value	***	3.8	4.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	*** (***)	0 (0)	0 (0)
	No. Days Above Level	*** (***)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	*** (***)	0 (0)	0 (0)
	No. Days Above Goal	*** (***)	0 (0)	0 (0)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	89
	Average	0.6	0.8	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.5	2.2	2.8
	90-percentile Value	2.3	2.9	3.9
	Maximum 1-hour Value	2.4	4.4	6.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

Parts per hundred million (pphm)
1-HOUR CLOCK AVERAGE

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm
4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	93
Average	1.1	1.0	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.8	1.8	1.9
90-percentile Value	2.3	2.4	2.6
Maximum 1-hour Value	2.3	2.9	2.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	95
Average	1.0	1.4	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	2.7	3.3
90-percentile Value	2.8	3.2	4.5
Maximum 1-hour Value	3.0	4.8	5.2
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
CAMDEN #			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	92	95
Average	***	***	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.3	3.1
90-percentile Value	2.4	2.9	3.9
Maximum 1-hour Value	2.7	4.3	5.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (***)	0 (***)	0 (***)
No. Days Above Level	0 (***)	0 (***)	0 (***)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (***)	0 (***)	0 (***)
No. Days Above Goal	0 (***)	0 (***)	0 (***)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE		JUL	AUG	SEP
South West Sydney region (Cont'd)				
CAMPBELLTOWN #				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	91	87	92
	Average	***	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	2.6	3.2
	90-percentile Value	2.5	3.4	3.9
	Maximum 1-hour Value	2.5	3.9	5.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (***)	0 (***)	0 (***)
	No. Days Above Level	0 (***)	0 (***)	0 (***)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (***)	0 (***)	0 (***)
	No. Days Above Goal	0 (***)	0 (***)	0 (***)
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	68
	Average	0.6	0.8	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.6	2.2	3.0
	90-percentile Value	2.3	2.9	4.2
	Maximum 1-hour Value	2.5	4.4	6.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
OAKDALE				
Ridge Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	96
	Average	0.6	1.9	2.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.0	2.5	3.7
	90-percentile Value	1.8	3.6	4.3
	Maximum 1-hour Value	2.0	5.1	7.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 ppm

4-hour average = 8 ppm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 ppm

1-HOUR CLOCK AVERAGE

4-hour average = 6 ppm

MONITORING SITE	JUL	AUG	SEP
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	81	90
Average	1.9	2.3	2.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.6	3.1	3.4
90-percentile Value	3.1	3.4	4.0
Maximum 1-hour Value	3.2	4.5	5.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	50	76	91
Average	1.4	2.1	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	3.2	3.4
90-percentile Value	2.9	3.8	4.2
Maximum 1-hour Value	2.9	4.1	5.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	86	92	92
Average	1.1	1.5	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.7	3.0
90-percentile Value	2.6	3.5	4.0
Maximum 1-hour Value	2.9	4.0	5.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
Illawarra region (Cont'd)			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	73	91	70
Average	1.5	1.7	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.8	3.0
90-percentile Value	3.0	3.5	3.6
Maximum 1-hour Value	3.0	4.4	3.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	90	91
Average	1.0	1.4	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.7	3.2
90-percentile Value	2.7	3.3	3.9
Maximum 1-hour Value	2.9	4.3	4.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	90	95	92
Average	0.9	1.4	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.8	2.7	3.0
90-percentile Value	2.6	3.2	3.7
Maximum 1-hour Value	2.8	4.1	4.8
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE

JUL

AUG

SEP

Lower Hunter region (Cont'd)

WALLSEND

Swimming Pool

Frances St

ALL HOURS IN MONTH:

% Sampling Time

96

96

94

Average

1.1

1.5

1.6

DAILY 1-HOUR MAXIMA:

Monthly Average

2.0

2.8

3.2

90-percentile Value

2.8

3.4

3.9

Maximum 1-hour Value

2.9

3.8

4.8

NEPM STANDARD LEVEL:

No. Hours Above Level

0 (0)

0 (0)

0 (0)

No. Days Above Level

0 (0)

0 (0)

0 (0)

NSW GOV'T LONG TERM GOAL:

No. Hours Above Goal

0 (0)

0 (0)

0 (0)

No. Days Above Goal

0 (0)

0 (0)

0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

TABLE 2
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)
1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	91	92
	Average	1.8	1.7	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.0	3.4
	90-percentile Value	3.8	4.0	4.4
	Maximum 1-hour Value	4.6	4.4	4.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	63	60	***
	Average	2.1	1.8	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	2.4	***
	90-percentile Value	4.0	2.8	***
	Maximum 1-hour Value	4.1	3.3	***
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	***
	No. Days Above Level	0	0	***
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	***
	No. Days Above Goal	0	0	***
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	88	91	91
	Average	1.5	1.4	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.6	2.7
	90-percentile Value	3.0	3.2	3.9
	Maximum 1-hour Value	3.4	3.7	4.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	91	69
	Average	1.9	1.5
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.1	3.2
	90-percentile Value	4.3	4.7
	Maximum 1-hour Value	5.1	5.1
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0	0
	No. Days Above Level	0	0
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0	0
	No. Days Above Goal	0	0
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	82	85
	Average	1.9	1.8
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.0	3.0
	90-percentile Value	3.9	4.3
	Maximum 1-hour Value	5.4	4.8
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0	0
	No. Days Above Level	0	0
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0	0
	No. Days Above Goal	0	0
WOOLLOOWARE			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	88	92
	Average	1.6	1.3
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.7	2.7
	90-percentile Value	3.7	3.7
	Maximum 1-hour Value	4.4	4.7
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0	0
	No. Days Above Level	0	0
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0	0
	No. Days Above Goal	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	58	81
Average	1.5	1.5	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.6	3.1
90-percentile Value	3.4	3.6	3.9
Maximum 1-hour Value	4.0	3.8	4.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	88	92	87
Average	0.8	0.8	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	1.8	1.9
90-percentile Value	2.3	2.6	2.6
Maximum 1-hour Value	2.5	2.9	3.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	90	92
Average	0.9	0.8	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	1.9	2.5
90-percentile Value	2.8	2.9	3.6
Maximum 1-hour Value	3.2	3.3	4.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)
 1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	91	83
	Average	0.8	0.9	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	2.0	2.0
	90-percentile Value	2.5	2.9	2.8
	Maximum 1-hour Value	2.8	3.1	4.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv	ALL HOURS IN MONTH:			
	% Sampling Time	87	44	64
	Average	0.3	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.8	1.2	0.7
	90-percentile Value	1.6	2.1	1.5
	Maximum 1-hour Value	2.3	3.4	2.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	53	91	91
	Average	1.7	1.9	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.2	3.6
	90-percentile Value	3.2	4.1	5.0
	Maximum 1-hour Value	3.8	4.7	5.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	54	92	92
Average	0.5	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.7	2.2
90-percentile Value	2.2	2.4	3.4
Maximum 1-hour Value	2.3	3.7	4.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	90	88
Average	0.5	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.4	1.5
90-percentile Value	2.2	2.2	2.3
Maximum 1-hour Value	2.6	3.0	2.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
CAMDEN			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	91	54
Average	0.6	0.5	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.3	1.7
90-percentile Value	2.1	2.1	2.8
Maximum 1-hour Value	2.4	3.6	3.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)
 1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP	
South West Sydney region (Cont'd)				
CAMPBELLTOWN #				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH: % Sampling Time Average	90 ***	46 ***	93 ***
	DAILY 1-HOUR MAXIMA: Monthly Average	3.1	3.1	3.0
	90-percentile Value	3.9	3.5	3.7
	Maximum 1-hour Value	5.6	4.0	4.2
	NEPM STANDARD LEVEL: No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL: No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH: % Sampling Time Average	91 1.3	90 1.6	61 2.3
	DAILY 1-HOUR MAXIMA: Monthly Average	2.0	2.2	3.5
	90-percentile Value	2.6	2.8	4.4
	Maximum 1-hour Value	3.2	3.6	4.5
	NEPM STANDARD LEVEL: No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL: No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
OAKDALE				
Ridge Rd				
	ALL HOURS IN MONTH: % Sampling Time Average	91 1.2	92 0.7	91 0.3
	DAILY 1-HOUR MAXIMA: Monthly Average	1.7	1.1	0.9
	90-percentile Value	2.3	2.0	1.8
	Maximum 1-hour Value	2.6	2.1	2.7
	NEPM STANDARD LEVEL: No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL: No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1998 Data

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region</i>			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	75	81	90
Average	0.4	0.4	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.1	0.9	1.4
90-percentile Value	2.4	1.8	2.5
Maximum 1-hour Value	3.3	2.9	3.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	48	51	91
Average	0.8	0.7	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	1.6	2.1
90-percentile Value	2.7	2.4	3.1
Maximum 1-hour Value	2.7	3.0	5.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	63	92	92
Average	1.2	0.9	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.3	1.8	2.4
90-percentile Value	3.1	2.8	3.3
Maximum 1-hour Value	3.4	3.6	4.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
1-hour average = 10.5 pphm

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	71	91	92
Average	1.2	1.1	1.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.3	2.7
90-percentile Value	2.7	2.7	3.5
Maximum 1-hour Value	3.1	3.7	5.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	92	88	92
Average	1.0	1.2	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	2.3	2.2
90-percentile Value	2.8	3.2	2.8
Maximum 1-hour Value	3.0	4.0	3.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	91	91	62
Average	1.3	1.1	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.3	2.5
90-percentile Value	2.8	3.4	3.3
Maximum 1-hour Value	3.1	3.9	3.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)
 1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
 1-hour average = 12 pphm
NSW GOV'T LONG TERM GOAL:
 1-hour average = 10.5 pphm

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	92	92	61
	Average	0.9	1.1	0.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	2.2	1.9
	90-percentile Value	2.5	2.9	2.6
	Maximum 1-hour Value	2.7	3.5	3.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1998 Data

TABLE 3
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF
NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
Central East Sydney region							
EARLWOOD							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	91	91	92	92
	Average	10.0	8.2	6.7	5.0	5.3	3.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	30.6	28.7	20.4	18.1	16.7	14.1
	90-percentile Value	60.6	58.0	36.4	34.6	32.9	29.4
	Maximum 1-hour Value	65.6	62.7	43.6	42.1	37.3	34.0
LIDCOMBE							
EPA Laboratories							
Weeroona Rd	ALL HOURS IN MONTH:						
	% Sampling Time	63	63	60	60	***	***
	Average	8.8	6.5	5.7	3.8	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	22.5	19.5	13.1	10.9	***	***
	90-percentile Value	33.6	30.2	20.6	18.9	***	***
	Maximum 1-hour Value	44.7	41.0	27.8	26.0	***	***
LINDFIELD							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	91	91	91	91
	Average	4.7	3.1	3.2	1.7	2.2	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	13.9	11.9	9.8	7.6	6.8	4.5
	90-percentile Value	23.9	21.6	15.8	13.7	12.7	10.3
	Maximum 1-hour Value	46.8	45.8	18.9	16.9	17.4	14.0
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	91	91	69	69
	Average	6.5	4.7	3.4	2.2	2.8	1.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	17.8	15.1	10.5	8.2	9.7	6.8
	90-percentile Value	33.5	30.8	21.7	18.5	17.0	13.7
	Maximum 1-hour Value	47.1	43.1	30.1	26.9	20.6	17.5
ROZELLE							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	82	82	92	92	85	85
	Average	6.2	4.3	4.2	2.4	3.3	1.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	18.1	15.5	11.2	8.5	10.0	7.3
	90-percentile Value	36.3	33.0	19.8	16.7	20.0	16.2
	Maximum 1-hour Value	43.5	39.9	25.5	22.7	25.3	21.1

*** Data not available

1998 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF
NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL		AUG		SEP		
	NO _x	NO	NO _x	NO	NO _x	NO	
Central East Sydney region (Cont'd)							
WOOLOOWARE							
Woolooware Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	92	92	92	92
	Average	4.8	3.2	2.6	1.6	2.6	1.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.5	9.4	7.9	6.3	7.8	5.7
	90-percentile Value	22.3	19.0	18.3	16.4	14.3	12.4
	Maximum 1-hour Value	32.1	29.5	23.9	21.5	15.9	13.1
North West Sydney region							
BLACKTOWN							
Flushcombe Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	58	58	81	81
	Average	5.1	3.5	3.9	2.4	3.1	1.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	15.2	12.7	10.6	8.2	9.6	7.1
	90-percentile Value	28.1	25.3	20.5	17.2	16.9	14.2
	Maximum 1-hour Value	30.7	26.9	21.6	17.7	25.7	23.5
RICHMOND							
University Of Western Sydney							
Vines Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	92	92	87	87
	Average	2.0	1.2	1.3	0.6	1.1	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.3	4.2	3.5	2.2	3.1	1.7
	90-percentile Value	9.7	8.6	6.1	4.8	5.1	3.3
	Maximum 1-hour Value	10.2	10.4	8.3	7.1	6.0	4.4
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	90	90	92	92
	Average	3.2	2.3	2.1	1.3	1.8	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.2	9.9	7.8	6.4	6.3	4.6
	90-percentile Value	21.0	19.4	16.9	15.6	10.4	8.7
	Maximum 1-hour Value	27.0	26.1	21.6	20.2	11.4	10.2
VINEYARD							
Castle Hill STP							
Bandon Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	91	91	83	83
	Average	2.1	1.3	1.5	0.6	1.2	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.8	4.4	4.2	2.7	3.6	2.1
	90-percentile Value	9.3	8.1	7.3	5.7	6.8	5.4
	Maximum 1-hour Value	11.9	10.6	9.6	8.7	8.0	6.5

*** Data not available

1998 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF
NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
North West Sydney region (Cont'd)							
WENTWORTH FALLS							
Bodington Hospital							
Bodington Drv	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	44	44	64	64
	Average	0.4	0.1	0.4	0.1	0.3	0.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.0	0.3	1.3	0.3	0.7	0.1
	90-percentile Value	2.4	0.5	2.0	0.4	1.5	0.3
	Maximum 1-hour Value	3.2	2.2	5.6	2.5	2.2	0.6
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	53	53	91	91	91	91
	Average	6.5	4.7	6.3	4.3	4.6	2.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	16.8	14.4	17.7	15.0	15.7	12.9
	90-percentile Value	30.2	28.0	30.0	26.6	25.3	22.1
	Maximum 1-hour Value	33.7	30.9	35.1	32.6	29.6	26.3
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	54	54	92	92	92	92
	Average	1.1	0.6	1.2	0.5	1.3	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.4	3.1	5.2	3.6	6.3	4.2
	90-percentile Value	15.2	13.1	15.1	12.5	14.6	11.1
	Maximum 1-hour Value	17.0	14.9	20.4	18.2	28.1	24.4
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	90	90	88	88
	Average	1.4	0.9	1.1	0.6	1.1	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.6	2.7	2.7	1.8	2.5	1.5
	90-percentile Value	6.2	5.0	4.4	3.5	3.7	2.9
	Maximum 1-hour Value	8.8	8.0	8.0	6.7	4.7	3.3
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	91	91	54	54
	Average	1.2	0.6	1.0	0.4	1.2	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.3	2.4	2.7	1.7	3.4	2.3
	90-percentile Value	5.7	4.7	4.8	3.9	5.6	4.2
	Maximum 1-hour Value	6.4	5.5	6.9	6.1	7.9	6.8

*** Data not available

1998 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF
NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
South West Sydney region (Cont'd)							
CAMPBELLTOWN #							
Kanbyugal Reserve							
Cronulla Cres.	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	46	46	93	93
	Average	***	***	***	***	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	13.2	10.3	12.4	9.6	11.8	9.1
	90-percentile Value	23.2	19.3	15.5	13.0	19.0	15.3
	Maximum 1-hour Value	32.0	28.4	35.5	31.3	24.1	19.8
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	90	90	61	61
	Average	6.3	5.0	5.8	4.1	5.7	3.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	17.0	15.5	15.1	13.3	14.9	12.0
	90-percentile Value	31.5	30.0	29.0	27.3	24.4	21.4
	Maximum 1-hour Value	36.3	35.0	33.6	31.4	27.8	24.9
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	92	92	91	91
	Average	1.6	0.3	0.8	0.2	0.4	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.4	0.8	1.6	0.6	1.3	0.6
	90-percentile Value	3.8	1.8	3.4	1.5	2.8	1.7
	Maximum 1-hour Value	3.9	2.6	7.1	5.5	5.4	2.7
Illawarra region							
ALBION PARK							
Croome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	75	75	81	81	90	90
	Average	0.7	0.2	0.5	0.1	0.6	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.2	1.2	1.7	0.9	1.8	0.6
	90-percentile Value	7.1	5.3	4.5	3.0	4.1	1.3
	Maximum 1-hour Value	7.6	6.0	5.6	4.2	5.7	3.9
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy	ALL HOURS IN MONTH:						
	% Sampling Time	48	48	51	51	91	91
	Average	1.8	1.0	1.1	0.3	1.3	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.3	4.7	3.9	2.4	3.7	1.9
	90-percentile Value	16.0	14.0	9.7	8.2	7.8	5.6
	Maximum 1-hour Value	20.7	18.4	12.2	10.4	9.3	7.1

*** Data not available

1998 Data

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF
NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL		AUG		SEP	
	NO _x	NO	NO _x	NO	NO _x	NO
Illawarra region (Cont'd)						
WARRAWONG						
Carlotta Cres						
ALL HOURS IN MONTH:						
% Sampling Time	63	63	92	92	92	92
Average	2.5	1.3	1.6	0.7	1.7	0.5
DAILY 1-HOUR MAXIMA:						
Monthly Average	6.7	4.7	4.9	3.3	5.0	2.7
90-percentile Value	14.0	12.1	10.9	8.7	9.5	6.8
Maximum 1-hour Value	18.8	16.0	13.3	11.1	11.9	8.0
WOLLONGONG						
Gipps St						
ALL HOURS IN MONTH:						
% Sampling Time	71	71	91	91	92	92
Average	3.3	2.1	2.5	1.4	2.4	1.1
DAILY 1-HOUR MAXIMA:						
Monthly Average	11.6	9.5	9.1	7.0	8.8	6.3
90-percentile Value	24.9	22.8	23.8	22.0	18.3	15.7
Maximum 1-hour Value	48.1	44.8	29.6	27.3	20.5	17.6
Lower Hunter region						
BERESFIELD						
Francis Greenway						
High School						
ALL HOURS IN MONTH:						
% Sampling Time	92	92	88	88	92	92
Average	2.5	1.4	2.5	1.3	2.1	1.1
DAILY 1-HOUR MAXIMA:						
Monthly Average	6.9	5.2	6.7	4.9	6.8	5.0
90-percentile Value	13.6	12.0	12.3	10.3	11.4	9.7
Maximum 1-hour Value	15.8	13.5	15.9	13.5	14.6	12.6
NEWCASTLE						
Athletics Field						
Smith St						
ALL HOURS IN MONTH:						
% Sampling Time	91	91	91	91	62	62
Average	3.6	2.4	2.9	1.9	2.3	1.1
DAILY 1-HOUR MAXIMA:						
Monthly Average	9.9	7.9	9.6	7.8	6.6	4.4
90-percentile Value	21.9	20.3	19.0	16.8	10.7	8.2
Maximum 1-hour Value	26.1	23.4	22.9	20.5	12.6	10.2
WALLSEND						
Swimming Pool						
Frances St						
ALL HOURS IN MONTH:						
% Sampling Time	92	92	92	92	61	61
Average	2.4	1.5	2.4	1.4	1.7	0.8
DAILY 1-HOUR MAXIMA:						
Monthly Average	7.3	5.9	7.4	5.7	5.1	3.7
90-percentile Value	13.0	11.2	14.6	12.5	8.5	7.1
Maximum 1-hour Value	19.0	17.9	17.4	16.0	9.3	7.6

*** Data not available

1998 Data

TABLE 4.1
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)
 Coefficient of light scattering by fine particles per 10 km
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	38	62	100
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.9	0.8	0.5
	Maximum 24-hour Average	0.7	0.8	0.5
	Maximum 1-hour Value	2.3	1.3	1.5
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	99	100	88
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.4	0.3	0.2
	Maximum 24-hour Average	0.5	0.3	0.2
	Maximum 1-hour Value	1.1	0.7	0.5
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	86	99	89
	Monthly Average	0.5	0.2	0.2
	90-percentile Value	1.3	0.4	0.5
	Maximum 24-hour Average	1.6	0.6	0.5
	Maximum 1-hour Value	3.4	1.2	1.6
WOOLLOOWARE				
Woollooware Rd				
	% Sampling Time	97	99	99
	Monthly Average	0.2	0.1	0.1
	90-percentile Value	0.6	0.2	0.2
	Maximum 24-hour Average	1.3	0.3	0.3
	Maximum 1-hour Value	2.4	0.6	0.9
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	% Sampling Time	99	96	98
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.4	0.6	0.5
	Maximum 24-hour Average	0.5	0.8	0.5
	Maximum 1-hour Value	1.2	1.5	1.0

*** Data not available

1998 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	97	99	95
	Monthly Average	0.4	0.2	0.2
	90-percentile Value	0.9	0.4	0.4
	Maximum 24-hour Average	1.1	0.4	0.4
	Maximum 1-hour Value	1.6	1.1	1.0
ST MARYS				
Mamre Rd				
	% Sampling Time	99	99	100
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.3	0.3
	Maximum 24-hour Average	0.6	0.5	0.3
	Maximum 1-hour Value	1.1	0.8	0.8
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv				
	% Sampling Time	95	97	96
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.3	0.3	0.3
	Maximum 24-hour Average	0.3	0.3	0.3
	Maximum 1-hour Value	0.7	0.6	0.6
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	79	100	100
	Monthly Average	0.7	0.4	0.3
	90-percentile Value	1.5	0.9	0.5
	Maximum 24-hour Average	1.4	0.8	0.5
	Maximum 1-hour Value	3.3	1.8	1.2
South West Sydney region				
BARGO				
Silica Rd				
	% Sampling Time	73	100	100
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.3	0.3
	Maximum 24-hour Average	0.5	0.3	0.7
	Maximum 1-hour Value	3.4	1.3	3.3

*** Data not available

1998 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
BRINGELLY			
Ramsay Rd			
% Sampling Time	100	99	98
Monthly Average	0.3	0.2	0.2
90-percentile Value	0.8	0.4	0.3
Maximum 24-hour Average	1.0	0.7	0.3
Maximum 1-hour Value	1.4	1.4	1.0
LIVERPOOL			
Rose St			
% Sampling Time	97	97	98
Monthly Average	0.4	0.3	0.2
90-percentile Value	1.1	0.7	0.5
Maximum 24-hour Average	1.5	0.8	0.4
Maximum 1-hour Value	2.8	2.3	0.8
OAKDALE			
Ridge Rd			
% Sampling Time	82	82	99
Monthly Average	0.1	0.2	0.2
90-percentile Value	0.3	0.3	0.4
Maximum 24-hour Average	0.3	0.4	0.4
Maximum 1-hour Value	0.8	0.9	1.0
Illawarra region			
ALBION PARK			
Croome Rd			
% Sampling Time	97	88	97
Monthly Average	0.1	0.1	0.2
90-percentile Value	0.3	0.3	0.4
Maximum 24-hour Average	0.4	0.4	0.4
Maximum 1-hour Value	0.9	0.6	0.9
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
% Sampling Time	52	82	99
Monthly Average	0.2	0.1	0.1
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.3	0.3	0.4
Maximum 1-hour Value	0.8	0.5	0.7

*** Data not available

1998 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WOLLONGONG			
Gipps St			
% Sampling Time	99	99	99
Monthly Average	0.2	0.2	0.2
90-percentile Value	0.4	0.3	0.3
Maximum 24-hour Average	0.4	0.4	0.3
Maximum 1-hour Value	1.4	0.9	0.8
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
% Sampling Time	99	98	100
Monthly Average	0.7	0.5	0.3
90-percentile Value	1.1	0.9	0.5
Maximum 24-hour Average	1.2	1.0	0.5
Maximum 1-hour Value	2.4	2.1	1.2
NEWCASTLE			
Athletics Field			
Smith St			
% Sampling Time	92	91	97
Monthly Average	0.4	0.2	0.3
90-percentile Value	1.0	0.6	0.5
Maximum 24-hour Average	1.3	0.6	0.5
Maximum 1-hour Value	2.5	2.1	1.3
WALLSEND			
Swimming Pool			
Frances St			
% Sampling Time	99	99	85
Monthly Average	0.3	0.3	0.2
90-percentile Value	1.0	0.8	0.4
Maximum 24-hour Average	0.9	0.9	0.4
Maximum 1-hour Value	2.2	2.0	0.8

*** Data not available

1998 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central Tablelands region				
LITHGOW				
Main St				
	% Sampling Time	100	81	91
	Monthly Average	1.0	0.8	0.4
	90-percentile Value	3.0	2.3	1.1
	Maximum 24-hour Average	3.5	2.2	1.4
	Maximum 1-hour Value	9.3	7.0	4.8
ORANGE				
Calare Public School				
Wentworth Lane				
	% Sampling Time	76	95	100
	Monthly Average	0.7	0.6	0.5
	90-percentile Value	2.4	1.9	1.3
	Maximum 24-hour Average	2.3	2.0	1.4
	Maximum 1-hour Value	9.7	6.9	6.3
Southern Tablelands region				
COOMA				
Swimming Pool				
Smith St				
	% Sampling Time	100	100	97
	Monthly Average	1.4	0.9	0.6
	90-percentile Value	3.6	2.4	1.4
	Maximum 24-hour Average	2.7	2.3	1.0
	Maximum 1-hour Value	7.5	6.6	5.0
Riverina region				
GRIFFITH				
Griffith Base Hospital				
Animoo St				
	% Sampling Time	92	78	34
	Monthly Average	0.4	0.3	0.1
	90-percentile Value	0.7	0.5	0.3
	Maximum 24-hour Average	1.3	0.4	0.3
	Maximum 1-hour Value	3.4	1.0	0.6

*** Data not available

1998 Data

TABLE 4.2

**PARTICULATE MATTER: TOTAL SUSPENDED
PARTICULATES (TSP)**

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)
24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	27	23	30
	Highest Value	55	30	42
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	25	18	32
	Highest Value	57	26	49
SYDNEY				
Gowings				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	71	80	81
	Highest Value	92	106	123
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	31	23	35
	Highest Value	45	28	65
PORT KEMBLA				
Cnr Blaxland Ave & Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	29	22	32
	Highest Value	41	33	53
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	52	49	49
	Highest Value	66	80	92

*** Data not available

1998 Data

TABLE 4.3

PARTICULATE MATTER: LESS THAN 10µm (PM₁₀)

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	3
	Monthly Average	20	18	15
	Highest Value	46	24	21
LINDFIELD				
Bradfield Rd				
	Number of Samples	5	5	5
	Monthly Average	17	13	14
	Highest Value	34	17	17
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	15	15	15
	Highest Value	40	22	24
SYDNEY				
Gowings				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	34	36	35
	Highest Value	55	51	53
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	Number of Samples	5	5	5
	Monthly Average	16	15	14
	Highest Value	42	20	22
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	5	5	5
	Monthly Average	11	10	12
	Highest Value	29	15	18
Illawarra region				
ALBION PARK				
Croome Rd				
	Number of Samples	5	4	5
	Monthly Average	7	9	12
	Highest Value	14	17	20

*** Data not available

1998 Data

TABLE 4.3 (Cont'd)

PARTICULATE MATTER: LESS THAN 10µm (PM₁₀)

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	3	5	5
	Monthly Average	15	8	10
	Highest Value	20	11	16
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	5	5
	Monthly Average	13	20	13
	Highest Value	20	47	21
WOLLONGONG				
Gipps St				
	Number of Samples	5	5	5
	Monthly Average	10	12	10
	Highest Value	21	19	17
<i>Lower Hunter region</i>				
BERESFIELD				
Francis Greenway				
High School				
	Number of Samples	5	5	5
	Monthly Average	13	17	17
	Highest Value	23	30	23
NEWCASTLE				
Athletics Field				
Smith St				
	Number of Samples	5	2	5
	Monthly Average	22	30	19
	Highest Value	40	46	31
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	14	18	15
	Highest Value	28	30	20
<i>South Coast region</i>				
NOWRA				
Sewerage Plant				
	Number of Samples	5	2	5
	Monthly Average	8	9	8
	Highest Value	13	13	13

*** Data not available

1998 Data

TABLE 4.4

**PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)**

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$**

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	98
	Average	19	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	46	31	32
	90-percentile Value	85	48	46
	Maximum 1-hour Value	101	56	51
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	99
	Average	12	11	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	26	21	24
	90-percentile Value	39	31	32
	Maximum 1-hour Value	61	39	68
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	76	***
	Average	13	11	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	23	***
	90-percentile Value	48	31	***
	Maximum 1-hour Value	55	37	***
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	***
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	100	44	95
	Average	15	15	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	28	27
	90-percentile Value	53	44	38
	Maximum 1-hour Value	59	50	48
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	100
Average	14	16	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	26	30	27
90-percentile Value	41	47	36
Maximum 1-hour Value	53	64	44
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	99
Average	15	14	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	33	26	29
90-percentile Value	59	37	41
Maximum 1-hour Value	63	43	50
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	99	93
Average	12	11	12
DAILY 1-HOUR MAXIMA:			
Monthly Average	22	21	28
90-percentile Value	37	31	37
Maximum 1-hour Value	44	40	122
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	91	99
Average	11	10	12
DAILY 1-HOUR MAXIMA:			
Monthly Average	25	21	25
90-percentile Value	39	34	37
Maximum 1-hour Value	44	36	49
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	100
	Average	13	12	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	26	29
	90-percentile Value	45	48	49
	Maximum 1-hour Value	61	67	56
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	52	98	89
	Average	19	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	38	33	33
	90-percentile Value	55	51	56
	Maximum 1-hour Value	64	74	67
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
South West Sydney region				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	13	11	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	23	33
	90-percentile Value	44	39	56
	Maximum 1-hour Value	84	48	71
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	56	98	83
	Average	10	12	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	17	27	28
	90-percentile Value	36	48	39
	Maximum 1-hour Value	55	71	53
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	99	97
Average	16	15	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	43	36	37
90-percentile Value	68	60	60
Maximum 1-hour Value	99	107	95
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	88	96
Average	9	11	13
DAILY 1-HOUR MAXIMA:			
Monthly Average	33	32	39
90-percentile Value	96	82	64
Maximum 1-hour Value	190	153	86
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	99
Average	13	15	17
DAILY 1-HOUR MAXIMA:			
Monthly Average	37	35	38
90-percentile Value	68	47	69
Maximum 1-hour Value	146	87	88
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	98
Average	12	14	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	34	47
90-percentile Value	41	58	75
Maximum 1-hour Value	66	62	104
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 4.4 (Cont'd)

**PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)**

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$**

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	100
	Average	13	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	35	35
	90-percentile Value	40	65	67
	Maximum 1-hour Value	68	73	78
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	98
	Average	13	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	26	29	29
	90-percentile Value	46	49	55
	Maximum 1-hour Value	48	82	83
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 4.5

**PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM_{2.5})**

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	100
	Average	12	10	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	33	21	19
	90-percentile Value	57	34	29
	Maximum 1-hour Value	68	42	30
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	100
	Average	11	8	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	24	17	18
	90-percentile Value	40	27	26
	Maximum 1-hour Value	46	37	34
WOOLOOWARE				
Woolooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	***	97	98
	Average	***	7	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	15	14
	90-percentile Value	***	26	22
	Maximum 1-hour Value	***	36	25
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	100	94
	Average	7	6	6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	13	10	12
	90-percentile Value	22	17	17
	Maximum 1-hour Value	25	27	38
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	99	70	99
	Average	13	11	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	22	19
	90-percentile Value	42	36	29
	Maximum 1-hour Value	61	40	37

*** Data not available

1998 Data

TABLE 4.5 (Cont'd)

**PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM_{2.5})**

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	99
Average	10	9	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	22	22
90-percentile Value	45	39	38
Maximum 1-hour Value	51	54	55
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	98
Average	7	7	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	16	20
90-percentile Value	24	23	31
Maximum 1-hour Value	27	45	64
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	99
Average	7	7	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	15	16
90-percentile Value	27	25	27
Maximum 1-hour Value	44	26	32
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	85
Average	8	9	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	16	18	14
90-percentile Value	30	32	21
Maximum 1-hour Value	36	68	24
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	98
Average	9	9	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	19	18	15
90-percentile Value	32	33	22
Maximum 1-hour Value	39	37	37

*** Data not available

1998 Data

TABLE 5
SULFUR DIOXIDE (SO₂)

NEPM STANDARD LEVEL:
1-hour average = 20 ppm
24-hour average = 8 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region			
LINDFIELD			
Bradfield Rd			
ALL HOURS IN MONTH:			
% Sampling Time	75	58	95
Average	0.1	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.7	0.4
90-percentile Value	1.2	1.5	1.0
Maximum 1-hour Value	1.9	1.9	1.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts			
ALL HOURS IN MONTH:			
% Sampling Time	95	86	73
Average	0.3	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	0.7	0.7
90-percentile Value	1.4	1.1	1.0
Maximum 1-hour Value	2.2	2.1	1.8
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	71	92	92
Average	0.0	0.0	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.4	0.6
Maximum 1-hour Value	0.4	0.7	0.8
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	58	81
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.3	0.3
90-percentile Value	0.5	0.5	0.6
Maximum 1-hour Value	0.7	0.7	0.7
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

TABLE 5 (Cont'd)

SULFUR DIOXIDE (SO₂)

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	89	75
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.3	0.4
	Maximum 1-hour Value	0.4	1.2	0.8
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	96
	Average	0.3	0.3	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.4	0.5	0.6
	90-percentile Value	0.6	0.7	1.0
	Maximum 1-hour Value	0.7	0.8	1.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	96
	Average	0.1	0.0	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.5	0.3	0.5
	Maximum 1-hour Value	0.8	0.4	0.9
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	72	95	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.2	0.3	0.4
	Maximum 1-hour Value	0.3	0.4	0.6
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

NEPM STANDARD LEVEL:
1-hour average = 20 ppm
24-hour average = 8 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region</i>			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	73	62	90
Average	0.1	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.2	0.4
90-percentile Value	1.2	0.9	1.4
Maximum 1-hour Value	1.6	1.2	2.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	69	92	92
Average	0.2	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.3	0.6
90-percentile Value	1.8	0.8	1.5
Maximum 1-hour Value	3.6	2.2	3.2
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	68	91	92
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.4	0.4
90-percentile Value	1.1	0.7	0.7
Maximum 1-hour Value	1.5	0.9	1.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	94	68	91
Average	0.3	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.7	0.6
90-percentile Value	1.2	1.5	1.1
Maximum 1-hour Value	2.3	2.0	3.2
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1998 Data

() Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

NEPM STANDARD LEVEL:
1-hour average = 20 pphm
24-hour average = 8 pphm

Parts per hundred million (pphm)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	75
	Average	0.4	0.4	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	1.4	1.2
	90-percentile Value	2.7	2.9	2.7
	Maximum 1-hour Value	3.8	3.9	4.6
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

() Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

TABLE 6
CARBON MONOXIDE (CO)

NEPM STANDARD LEVEL:
8-hour average = 9 ppm

Parts per million (ppm)
1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	80	82	87
	Average	0.8	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	1.6	1.4
	90-percentile Value	5.1	2.4	2.9
	Maximum 1-hour Value	6.2	2.7	3.4
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
SYDNEY				
Gowings				
Cnr George & Market Sts	ALL HOURS IN MONTH:			
	% Sampling Time	42	68	98
	Average	2.4	3.0	2.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.9	5.9	6.0
	90-percentile Value	7.0	7.5	8.2
	Maximum 1-hour Value	7.2	9.0	9.4
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	85	58	81
	Average	0.9	0.7	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	1.7	1.2
	90-percentile Value	4.6	3.4	2.2
	Maximum 1-hour Value	4.9	3.8	2.8
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 6 (Cont'd)
CARBON MONOXIDE (CO)

NEPM STANDARD LEVEL:
8-hour average = 9 ppm

Parts per million (ppm)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	100
	Average	0.9	0.7	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	2.1	1.6
	90-percentile Value	3.9	3.3	2.6
	Maximum 1-hour Value	4.5	3.6	3.0
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0	0	0
	No. Days Above Level	0	0	0
South West Sydney region				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	89	***	***
	Average	1.0	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	***	***
	90-percentile Value	4.9	***	***
	Maximum 1-hour Value	5.5	***	***
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0	***	***
	No. Days Above Level	0	***	***
Illawarra region				
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	74	91	92
	Average	0.7	0.4	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.2	1.2
	90-percentile Value	3.5	2.7	2.3
	Maximum 1-hour Value	4.4	2.9	3.0
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0	0	0
	No. Days Above Level	0	0	0

*** Data not available

1998 Data

TABLE 6 (Cont'd)
CARBON MONOXIDE (CO)

NEPM STANDARD LEVEL:
8-hour average = 9 ppm

Parts per million (ppm)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region				
NEWCASTLE				
Athletics Field				
Smith St	ALL HOURS IN MONTH:			
	% Sampling Time	82	81	39
	Average	0.4	0.5	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.5	0.7
	90-percentile Value	2.9	3.1	1.6
	Maximum 1-hour Value	3.8	3.6	2.0
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0	0	0
	No. Days Above Level	0	0	0

*** Data not available

TABLE 7

LEAD (Pb)

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	0.2 *	0.1 *	0.1 *
	Highest Value	0.4	0.2	0.2
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.3	0.1	0.2
SYDNEY				
Gowings				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.2 *	0.1 *
	Highest Value	0.3	0.2	0.2
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.2	0.1	0.1

*** Data not available

1998 Data

* Average value calculated with some data less than detection limit

TABLE 8

CADMIUM (Cd)

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ at 0°C)

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
<i>Illawarra region</i>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	0.02	<0.02
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02

*** Data not available

* Average value calculated with some data less than detection limit

TABLE 9
REGIONAL POLLUTION INDEX (RPI)

Sydney region

RPI **Low 0 - 24** **Medium 25 - 49** **High > 49**

D A Y	REGIONS																	
	Eastern Sydney						South Western Sydney						North Western Sydney					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	12	11	11	11	18	19	10	11	14	13	18	17	12	12	27	16	20	22
2	12	16	17	11	23	17	34	19	31	17	17	16	21	25	43	15	21	20
3	37	26	12	17	15	17	29	20	52	19	18	17	40	33	22	25	18	17
4	61	34	16	17	16	21	50	31	37	17	14	14	55	27	29	21	21	14
5	80	29	12	19	15	14	66	21	46	12	18	13	78	32	20	30	17	15
6	18	12	15	14	15	14	21	14	12	11	17	14	15	15	14	13	18	16
7	13	12	13	16	35	21	12	11	12	15	14	19	17	28	13	15	17	19
8	54	18	16	16	25	36	51	15	15	15	20	18	49	21	16	16	23	28
9	27	12	15	14	19	14	34	13	14	14	17	14	15	15	15	14	18	18
10	12	12	16	13	14	19	13	12	12	14	15	18	14	12	16	21	15	21
11	13	12	14	14	14	18	14	12	45	14	16	16	12	13	35	16	14	18
12	42	15	12	17	12	13	44	13	19	18	15	23	42	20	18	28	14	19
13	39	33	29	30	17	17	37	18	32	15	16	13	38	38	31	31	14	16
14	40	11	30	30	14	13	65	13	18	17	13	13	50	15	31	36	14	13
15	12	12	12	13	14	14	12	12	13	12	14	13	13	13	14	13	14	15
16	13	13	15	15	12	13	19	12	12	11	13	12	16	18	12	12	13	23
17	36	19	15	14	14	13	38	19	11	10	12	14	39	30	13	14	13	16
18	17	23	16	16	14	19	44	24	14	14	16	17	22	25	13	14	17	16
19	49	17	11	13	16	15	32	11	13	13	17	15	36	18	13	13	17	16
20	32	47	14	20	15	14	22	26	55	12	15	12	38	41	16	18	16	12
21	39	13	13	24	16	15	40	19	12	28	13	11	26	17	34	41	21	21
22	12	12	12	10	14	18	28	19	12	10	10	19	12	12	13	13	13	19
23	20	11	15	14	17	17	24	11	18	14	18	22	17	12	13	16	19	17
24	14	12	13	13	16	13	14	10	13	13	14	12	13	16	16	16	16	14
25	27	21	16	16	13	13	14	10	13	14	11	12	34	25	24	19	13	13
26	15	13	14	14	12	19	16	34	11	14	12	18	31	21	18	17	13	17
27	22	9	16	14	18	21	26	15	18	14	18	19	34	12	16	14	19	20
28	9	12	16	14	23	22	10	22	12	14	21	21	9	15	13	16	24	21
29	13	12	20	16	23	23	12	13	29	15	22	23	13	14	28	18	19	22
30	12	12	27	25	22	33	25	12	22	23	16	19	13	14	23	23	18	28
31	11	11	24	25			14	13	23	20			18	19	22	19		

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western Sydney						North Western Sydney					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	58	84	90	87	93	93	48	90	74	97	100	100	55	68	74	81	100	93
MED	32	16	10	13	7	7	39	10	19	3	0	0	35	32	26	19	0	7
HIGH	10	0	0	0	0	0	13	0	6	0	0	0	10	0	0	0	0	0

1998 Data

TABLE 9 (Cont'd)
REGIONAL POLLUTION INDEX (RPI)

Lower Hunter region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
	REGIONS																	
D A Y	Newcastle						Wallsend						Beresfield					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	10	8	9	8	14	15	10	11	10	11	13	17	12	11	11	11	13	16
2	9	8	40	7	18	15	35	8	47	16	14	15	15	14	29	16	15	13
3	16	15	50	14	18	14	31	10	44	31	19	16	27	15	48	20	14	18
4	42	25	37	22	13	14	40	21	45	30	15	15	36	26	40	26	17	13
5	59	25	15	10	12	13	45	19	20	14	7	10	56	31	23	18	11	14
6	55	11	10	9	13	13	52	8	10	11	12	14	51	20	14	10	14	13
7	10	8	10	10	14	17	14	12	13	13	14	17	18	20	11	10	17	15
8	14	8	10	13	16	14	24	12	13	15	17	15	16	13	12	17	18	16
9	8	4	12	14	14	13	10	13	13	13	14	16	11	11	14	13	15	15
10	4	7	12	15	11	14	13	12	13	14	15	16	11	11	13	13	17	15
11	8	12	18	14	14	2	11	11	35	16	15	12	10	11	22	14	14	12
12	40	18	15	12	13	12	32	14	17	12	12	15	41	22	23	18	14	15
13	44	34	22	14	12	14	35	26	36	20	16	14	33	27	30	21	14	14
14	25	7	24	31	14	8	26	12	26	19	15	11	29	17	43	25	15	9
15	10	10	20	11	11	12	10	11	24	11	12	14	15	13	26	10	11	13
16	10	12	14	14	11	13	24	12	14	14	13	16	19	19	15	15	12	14
17	36	43	14	12	14	4	37	23	11	12	15	13	40	30	16	14	14	14
18	20	15	15	14	15	14	29	15	19	13	17	17	33	28	16	18	14	18
19	9	11	16	8	16	22	17	8	33	12	16	18	21	20	22	11	17	19
20	39	25	14	14	14	12	31	26	14	13	16	12	40	32	14	14	16	9
21	22	11	12	10	13	13	17	13	14	14	13	14	30	15	12	13	14	14
22	9	9	8	8	13	14	12	12	12	10	10	17	11	11	11	10	12	18
23	20	10	10	13	13	16	44	15	14	13	13	18	18	16	11	14	16	19
24	13	10	18	13	14	11	13	9	14	15	18	6	20	17	14	12	19	10
25	13	14	12	15	13	11	19	9	21	16	11	10	27	19	16	13	12	10
26	10	11	13	13	11	17	18	12	26	15	10	18	18	17	18	15	12	17
27	12	13	15	14	16	21	14	15	16	15	17	21	25	21	13	11	16	17
28	8	11	15	14	23	15	10	14	16	14	22	19	16	14	11	13	20	28
29	11	10	13	14	14	16	13	13	13	15	19	14	12	12	13	17	19	18
30	9	8	24	19	31	24	12	12	22	19	14	23	12	11	16	20	17	23
31	10	8	20	22			10	10	18	16			12	13	29	16		

PERCENTAGE FREQUENCY

	Newcastle						Wallsend						Beresfield					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	74	84	90	97	97	100	61	94	74	94	100	100	58	81	77	94	100	97
MED	19	16	6	3	3	0	35	6	26	6	0	0	35	19	23	6	0	3
HIGH	6	0	3	0	0	0	3	0	0	0	0	0	6	0	0	0	0	0

1998 Data

TABLE 9 (Cont'd)
REGIONAL POLLUTION INDEX (RPI)

Illawarra region

RPI **Low 0 - 24** **Medium 25 - 49** **High > 49**

D A Y	REGIONS											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	14	13	14	15	20	18	14	13	11	13	20	17
2	12	14	15	13	17	17	12	12	14	11	18	16
3	13	12	12	12	17	15	11	20	11	10	13	18
4	10	9	9	10	15	10	16	8	10	9	17	13
5	14	13	8	11	11	11	32	12	10	8	12	10
6	18	13	16	15	14	15	15	12	14	12	11	14
7	13	13	15	14	15	15	11	12	13	15	14	15
8	13	14			16	18	18	12	17	17	15	16
9	14	14			15	16	14	12	14	14	13	16
10	13	12		13	16	17	13	11	12	15	16	18
11	13	14	16	15	17	14	11	13	14	14	15	11
12	14	13	15	14	14	13	13	15	11	9	13	13
13	14	11	11	15	15	14	23	11	20	14	11	13
14	10	13	14	14	15	15	13	12	14	13	13	14
15	13	14	14	13	14	15	12	12	11	11	12	12
16	13	14	15	15	14	14	9	12	15	14	12	12
17	13	14	15	15	13	16	12	13	15	15	11	15
18	21	17	16	14	16	17	20	12	15	11	14	14
19	15	13	15	15	17	20	26	7	11	12	15	18
20	12	11	14	15	18	15	15	11	10	15	17	12
21	16	13	14	14	15	14	11	4	14	12	14	14
22	12	12	11	10	13	19	0	3	11	12	12	18
23	12	13	14	14	16	20	2	5	15	13	16	16
24	13	13	14	15	17	14	8	10	12	12	12	4
25	12	15	15	16	14	14	10	12	12	14	8	4
26	14	12	15	16	14	18	13	12	13	13	8	7
27	11	4	15	15	18	18	10	6	13	12	11	3
28	9	14	15	15	18	21	10	14	11	14	13	11
29	14	14	15	16	19	19	14	13	17	17	16	7
30	15	14	15	20	19	27	14	12	15	20	21	12
31	13	14	21	22			11	12	21	21		

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	100	100	100	100	100	97	94	100	100	100	100	100
MED	0	0	0	0	0	3	6	0	0	0	0	0
HIGH	0	0	0	0	0	0	0	0	0	0	0	0

1998 Data